

ABSTRACT OF THE DISCLOSURE

[0051] A folded monopole RF telemetry antenna is contained within a dielectric portion of an implantable medical device housing, which dielectric portion can be a biocompatible epoxy. The monopole antenna is formed from a wire or strip of conductive material which may be conformed inside the outer boundary of the epoxy housing. One end of the monopole antenna is free inside the epoxy, the other end of the antenna is electrically coupled to the circuit ground which, in turn, is connected to the metal housing portion, acting as a ground plane. The length of the antenna can be sized to be self-resonating at a frequency of about 403.5 MHz with at least a 3 MHz bandwidth.